

2923-0562  
RBM/jjs

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
Hideki ICHIKAWA et al.	)	
Serial No. New Application	)	Examiner: Unassigned
Filed: Herewith	)	Group Art Unit: Unassigned
For: LYOPHILIZED COMPOSITION OF BONE MORPHOGENETIC FACTOR	)	
HUMAN MP52 }	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

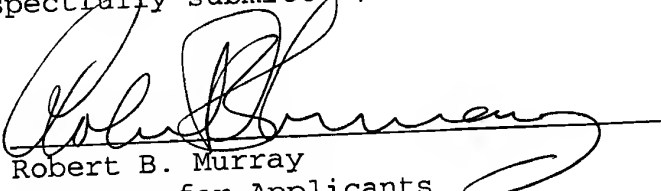
Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith Form PTO-1449 listing publications that the Office may wish to consider in examination of the subject application.

Pursuant to 1.98(d), copies of the references are not included because they were previously submitted to the Office in prior application Serial No. 09/355,551, filed 21 September 1999.

Respectfully submitted,

By

  
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	New Application
				Filing Date	22 September 2003
				First Named Inventor	Hideki ICHIKAWA
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	2923-0562

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1.	5,037,644		SHAKED ET AL	08-06-1991
	2.	5,171,579	A	RON ET AL	12-15-1992
	3.	5,464,614	A	MEYER	11-07-1995
	4.	5,597,897	A	RON ET AL	01-28-1997

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind <sup>5</sup> Code (if known)			
	5.	EP	0 567 391	A1	BRISTOL-MYERS SQUIBB COMPANY	10-27-1993	
	6.	EP	0 597 101	A1	HAGIWARA HIDEAKI	05-18-1994	
	7.	WO	93/16098	A1	SMITH-KLINE BEECHAM CORPORATION	08-19-1993	
	8.	WO	93/16099	A2	BIOPHARM GESELLSCHAFT ZUR BIOTECHNOLOGISCHEN ENTWIC- KLUNG VON PHARMAKA MBH	08-19-1993	
	9.	WO	96/29095	A1	APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.	09-26-1996	
	10.	WO	96/33215	A1	HOECHST JAPAN LIMITED	10-24-1996	
Examiner Signature						Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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				First Named Inventor	Hideki ICHIKAWA	
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				Examiner Name	Unassigned	
Sheet	2	of	2	Attorney Docket Number	2923-0562	
NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
	11.	Avis, K.E., "Parenteral Preparations" Remington's Pharmaceutical Sciences, Mack Pub Co., Easton, Pennsylvania, 1990, 18 <sup>th</sup> Edition, Chapter 84, pp. 1545 and 1565-1566.				
Examiner Signature					Date Considered	

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